



National Transportation Safety Board Aviation Accident Final Report

Location:	PEDRO, FL	Accident Number:	MIA86FA119
Date & Time:	04/11/1986, 1240 EST	Registration:	N112CS
Aircraft:	Beagle Aircraft B206-2	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

IMMEDIATELY AFTER TAKE-OFF, THE LEFT ENG SEIZED & THE PROP STOPPED DUE TO A CONNECTING ROD FAILURE. WITNESSES REPORTED THAT ABOUT 200 FT ABOVE THE GROUND, THE ACFT ROLLED TO THE LEFT AND COLLIDED WITH A POWERLINE BEFORE CRASHING TO THE GROUND IN A NEAR INVERTED ATTITUDE. THE PLT HAD RECENTLY REMARKED TO ONE OF HIS EMPLOYEES THAT HE HAD NOT DONE WELL ON A RECENT SIMULATED ENG OUT PROCEDURE WITH A FLT INSTRUCTOR.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: LOSS OF ENGINE POWER(PARTIAL) - MECH FAILURE/MALF
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

1. (F) ENGINE ASSEMBLY,CONNECTING ROD - FAILURE,TOTAL

Occurrence #2: LOSS OF CONTROL - IN FLIGHT
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

2. (C) AIRSPEED(VYSE) - NOT MAINTAINED - PILOT IN COMMAND
3. (C) AIRSPEED(VMC) - NOT MAINTAINED - PILOT IN COMMAND
4. (C) DIRECTIONAL CONTROL - NOT MAINTAINED - PILOT IN COMMAND
5. (C) EMERGENCY PROCEDURE - IMPROPER - PILOT IN COMMAND
6. (C) REMEDIAL ACTION - NOT FOLLOWED - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: DESCENT - UNCONTROLLED

Findings

7. (F) OBJECT - WIRE,TRANSMISSION

Occurrence #4: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Commercial	Age:	57, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	Yes
Medical Certification:	Class 2 Valid Medical--w/ waivers/lim.	Last FAA Medical Exam:	11/26/1985
Occupational Pilot:	Last Flight Review or Equivalent:		
Flight Time:	2800 hours (Total, all aircraft), 500 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Beagle Aircraft	Registration:	N112CS
Model/Series:	B206-2 B206-2	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	B206/063
Landing Gear Type:	Retractable - Tricycle	Seats:	8
Date/Type of Last Inspection:	01/23/1986, 100 Hour	Certified Max Gross Wt.:	7500 lbs
Time Since Last Inspection:	27 Hours	Engines:	2 Reciprocating
Airframe Total Time:	2500 Hours	Engine Manufacturer:	CONTINENTAL
ELT:	Installed	Engine Model/Series:	GTSIO-520C
Registered Owner:	JOHN H. HARTIGAN	Rated Power:	340 hp
Operator:	JOHN H. HARTIGAN	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	OCF, 90 ft msl	Distance from Accident Site:	10 Nautical Miles
Observation Time:	1255 EST	Direction from Accident Site:	327°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	7 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	310°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	24° C / 7° C
Precipitation and Obscuration:			
Departure Point:		Type of Flight Plan Filed:	IFR
Destination:	HOT SPRINGS, AR (HOT)	Type of Clearance:	None
Departure Time:	1239 EST	Type of Airspace:	Class G

Wreckage and Impact Information

Crew Injuries:	1 Fatal	Aircraft Damage:	Destroyed
Passenger Injuries:	1 Fatal	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Total Injuries:	2 Fatal	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	RONALD W BIRD	Report Date:	
Additional Participating Persons:	OLIVER COLE; ST. PETERSBURG, FL DALE CARTER; MOBILE, AL		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinquiry@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).